

[illegible]

FIG. 2

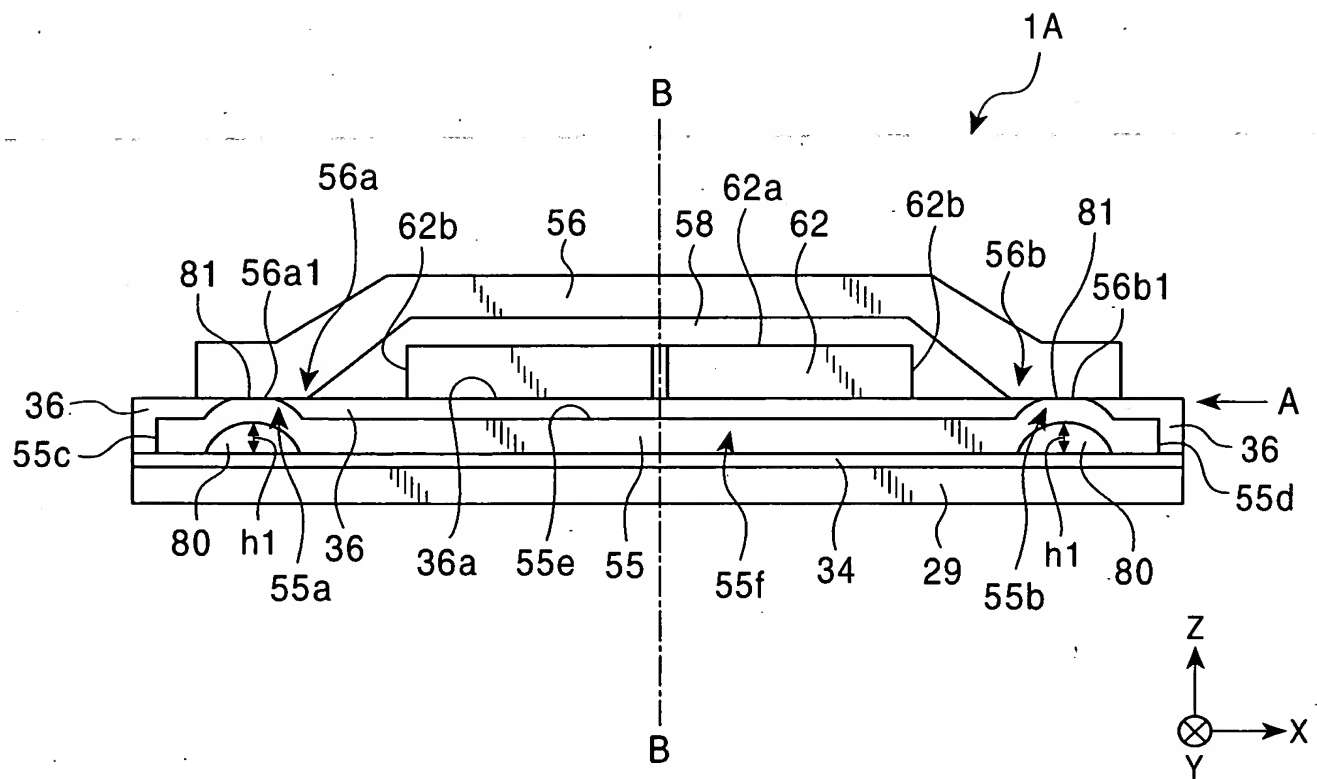


FIG. 3

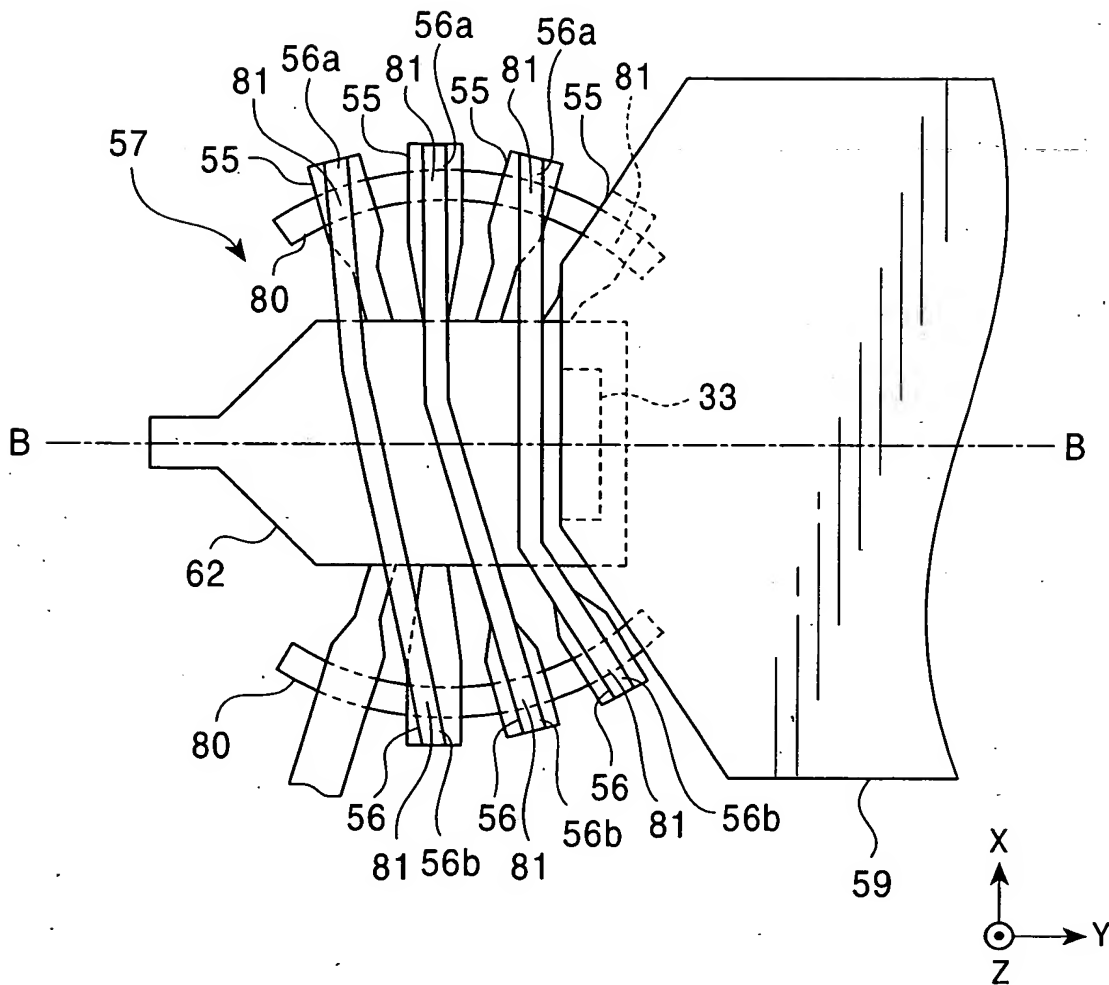


FIG. 4

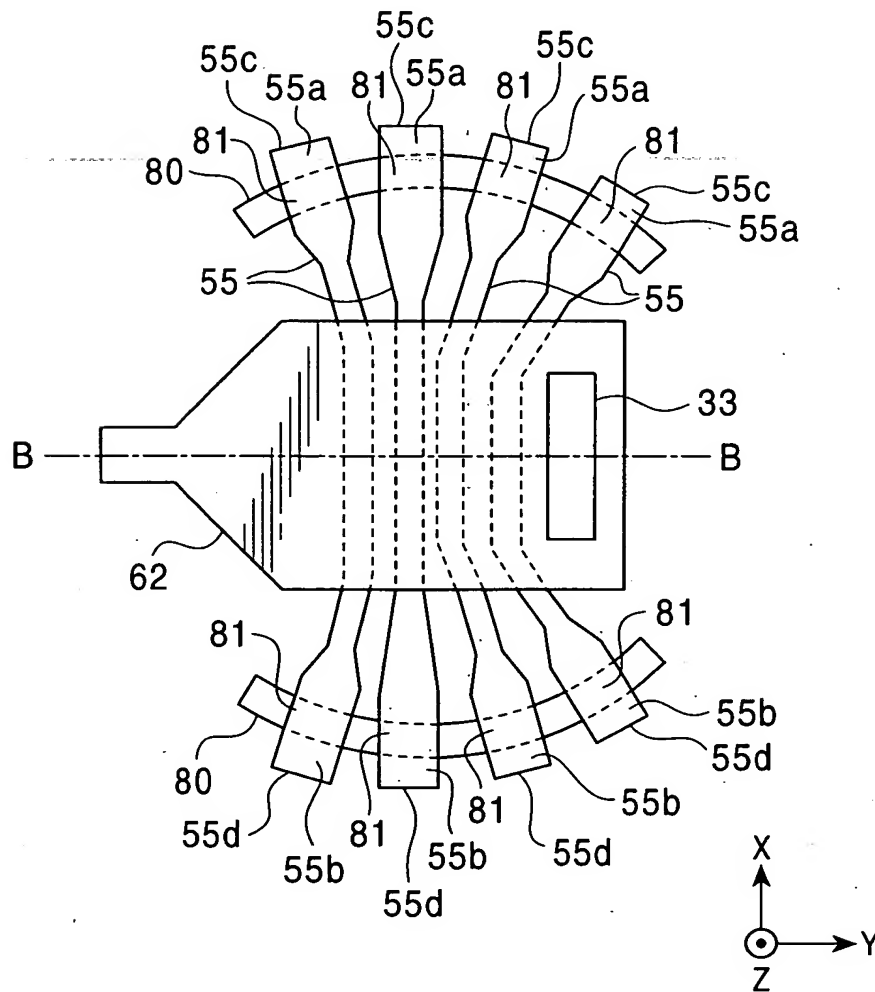


FIG. 5

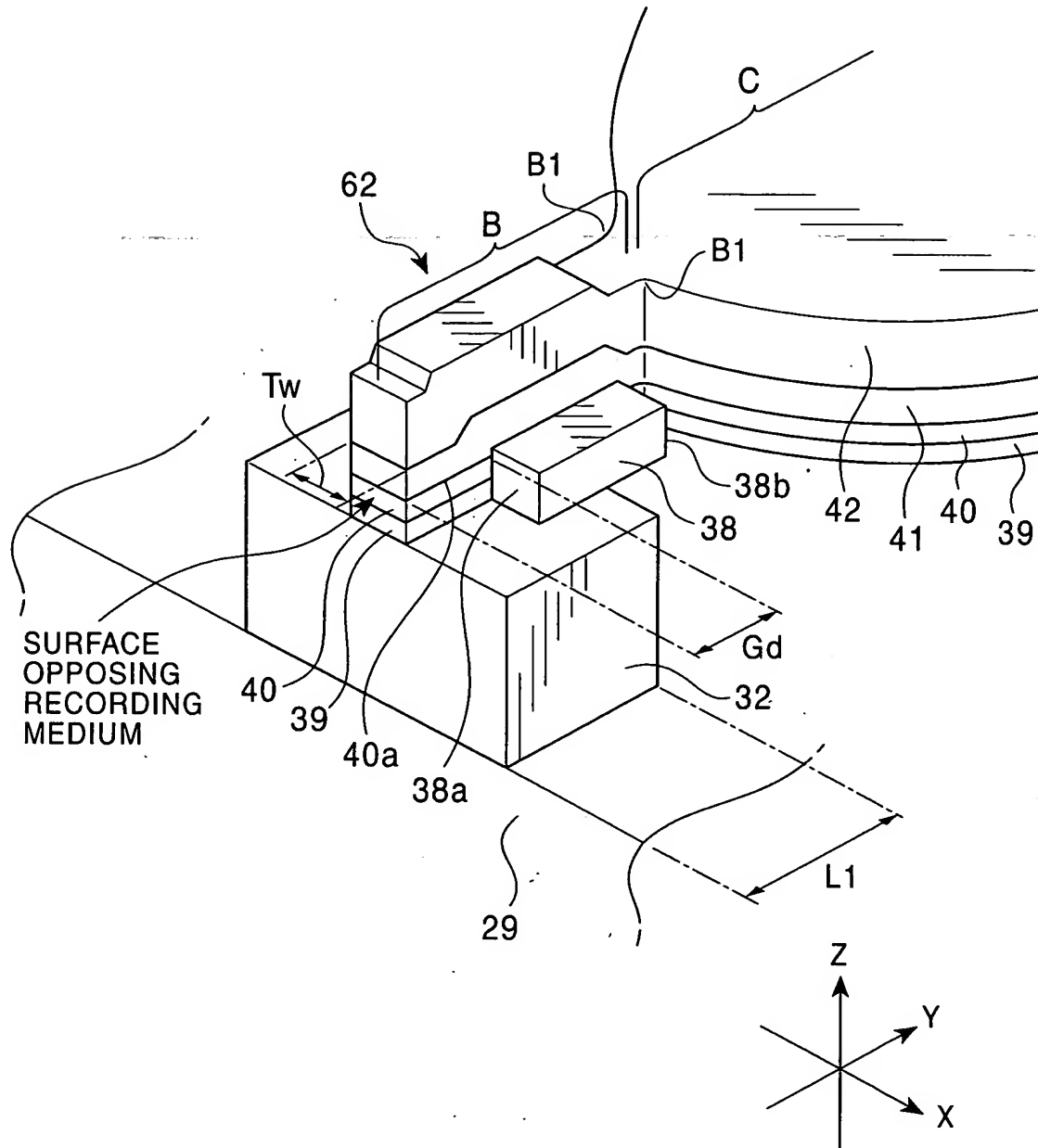
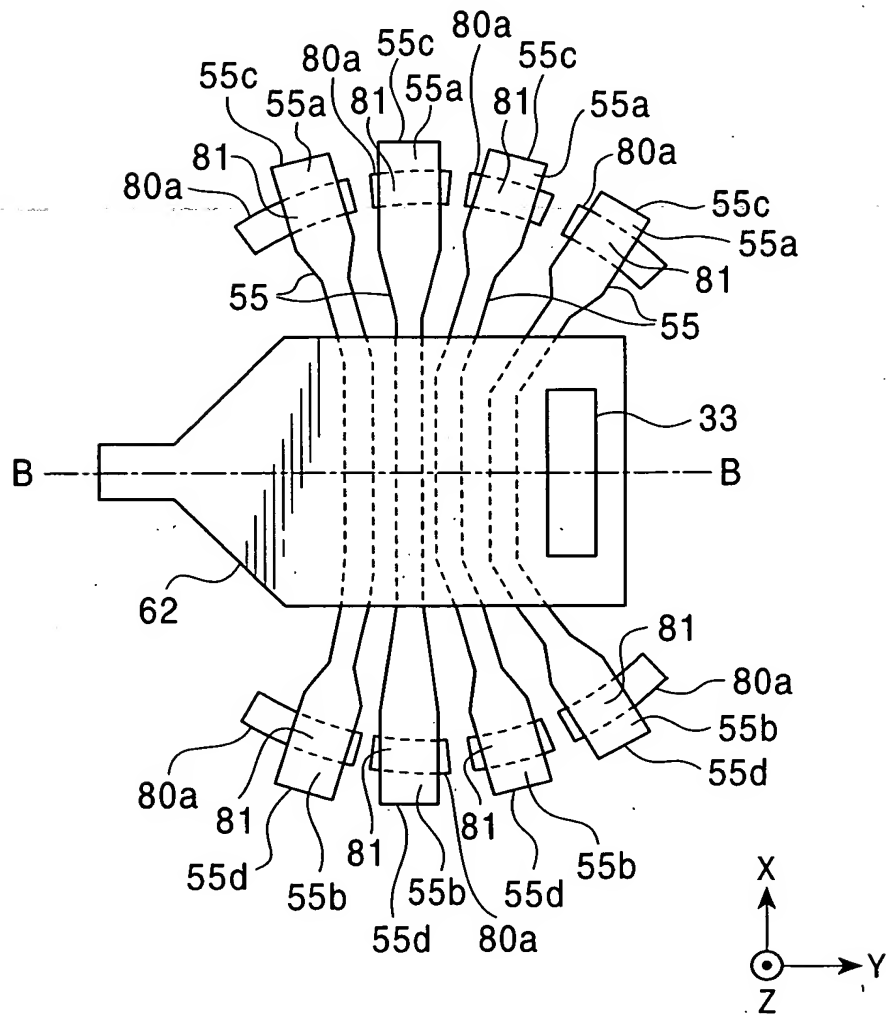


FIG. 6



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FIG. 7

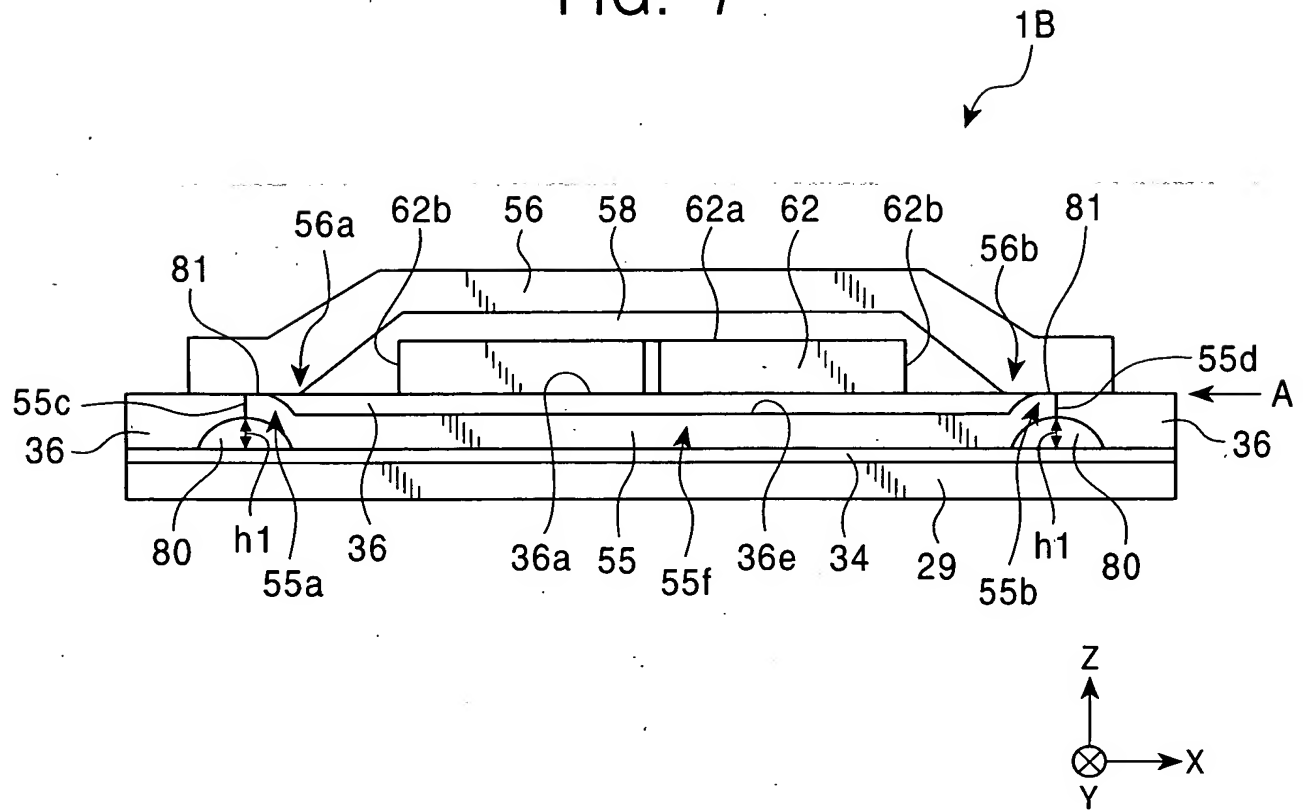
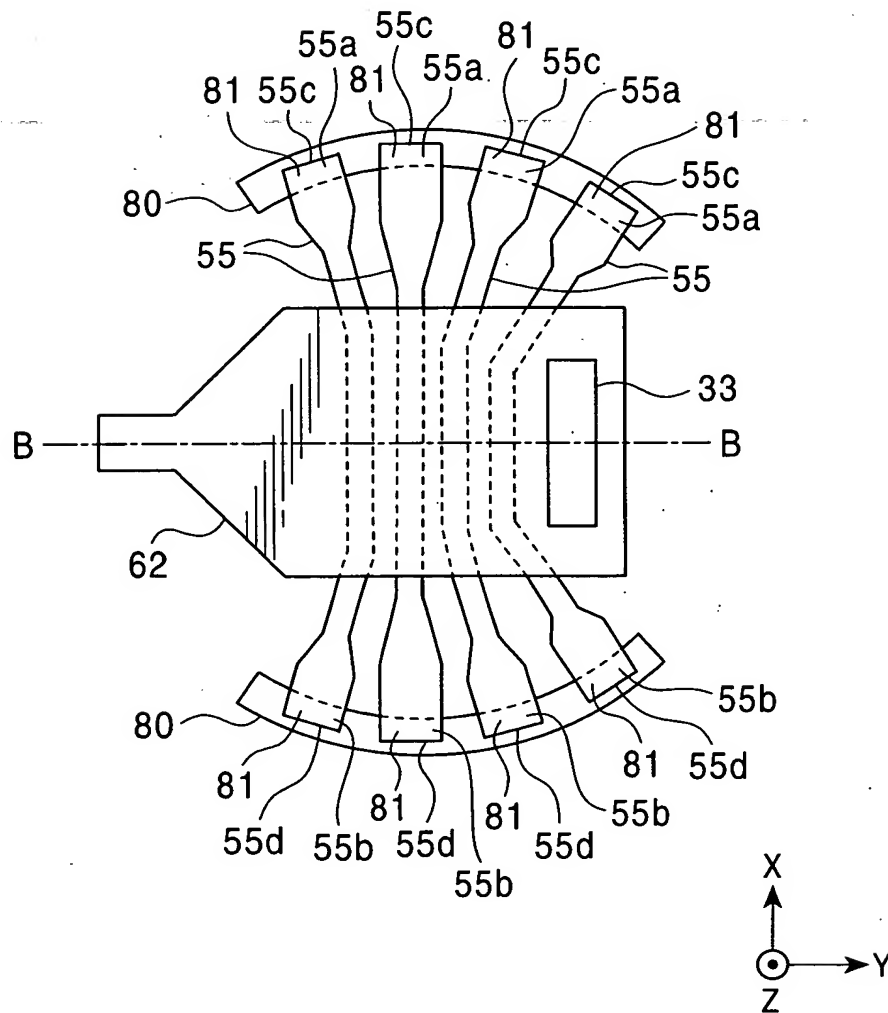


FIG. 8



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FIG. 9

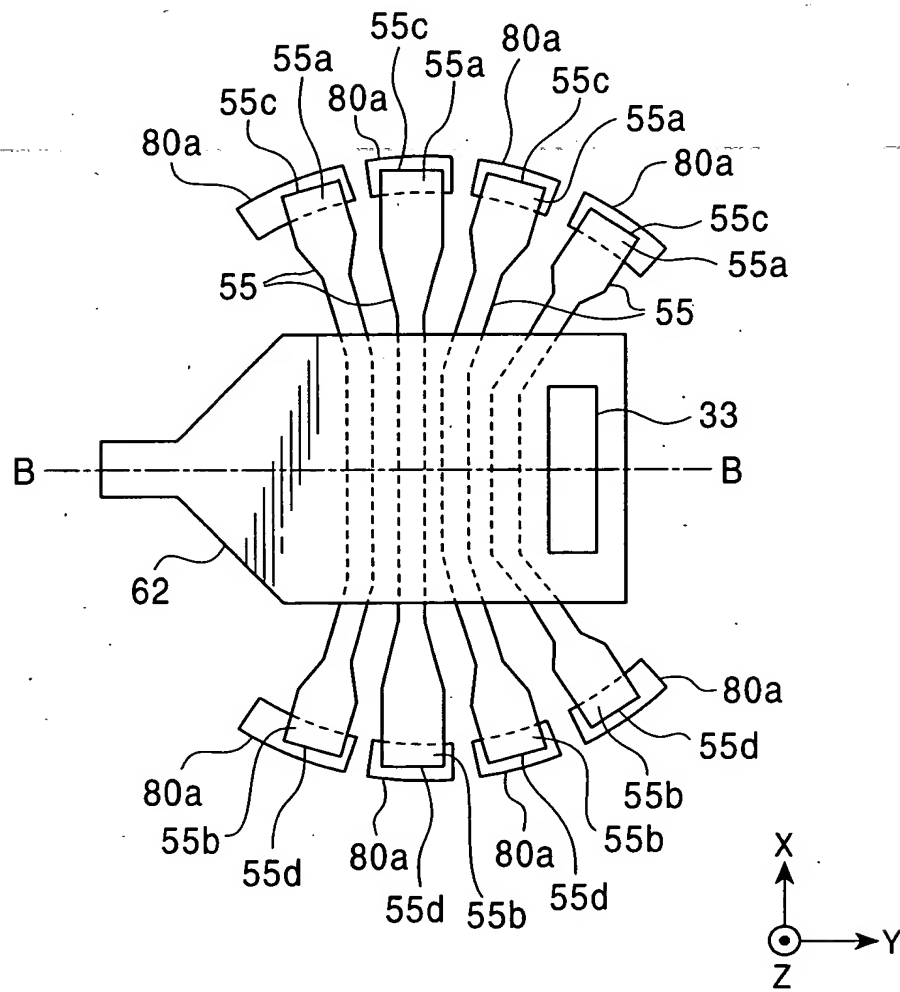


FIG. 10

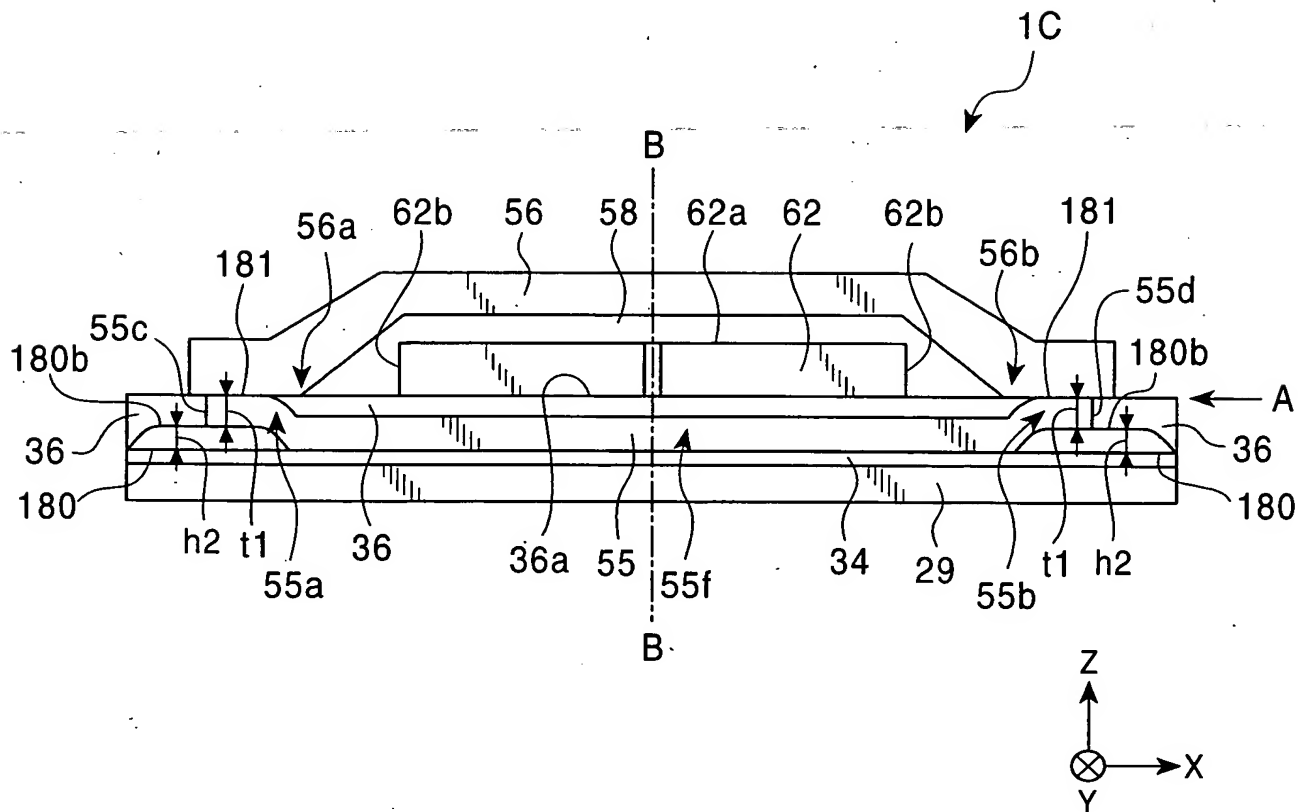


FIG. 11

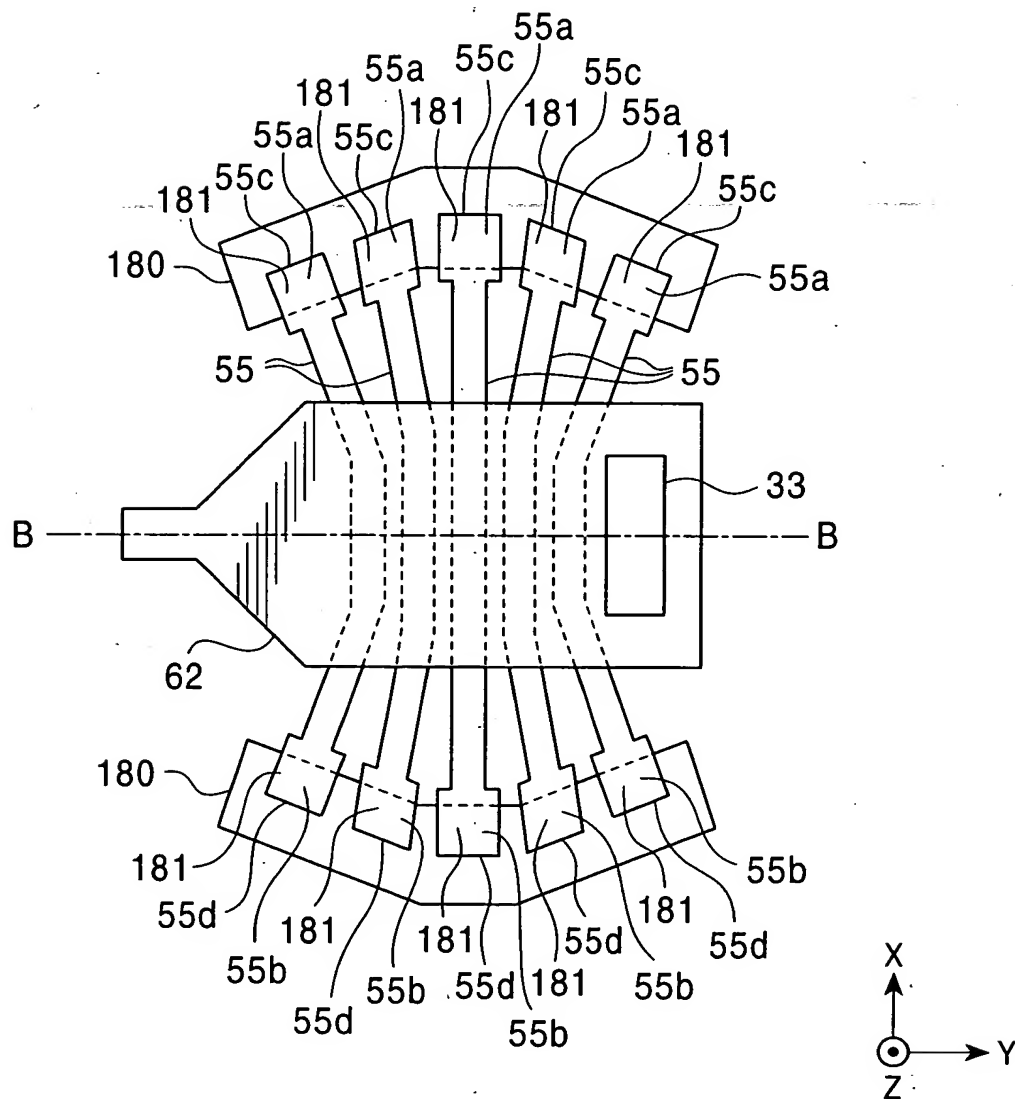
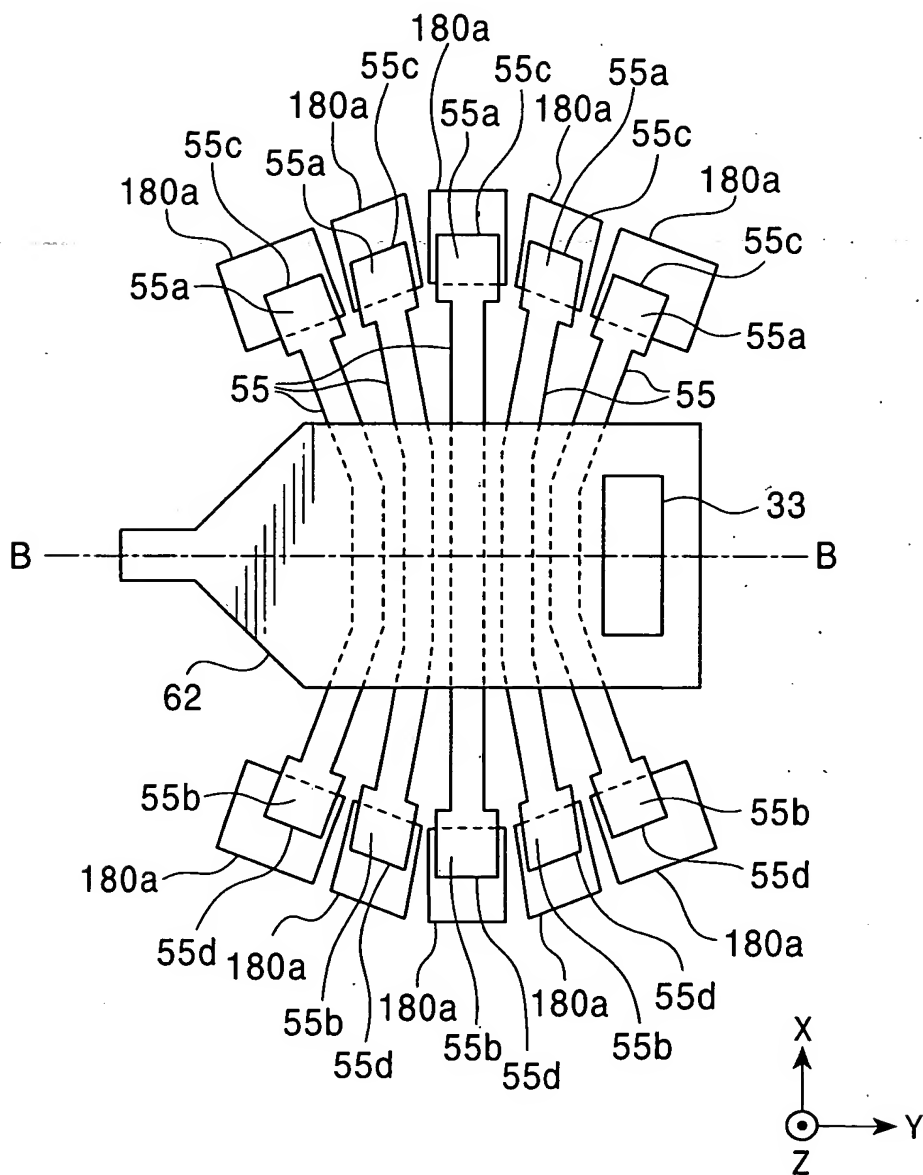


FIG. 12



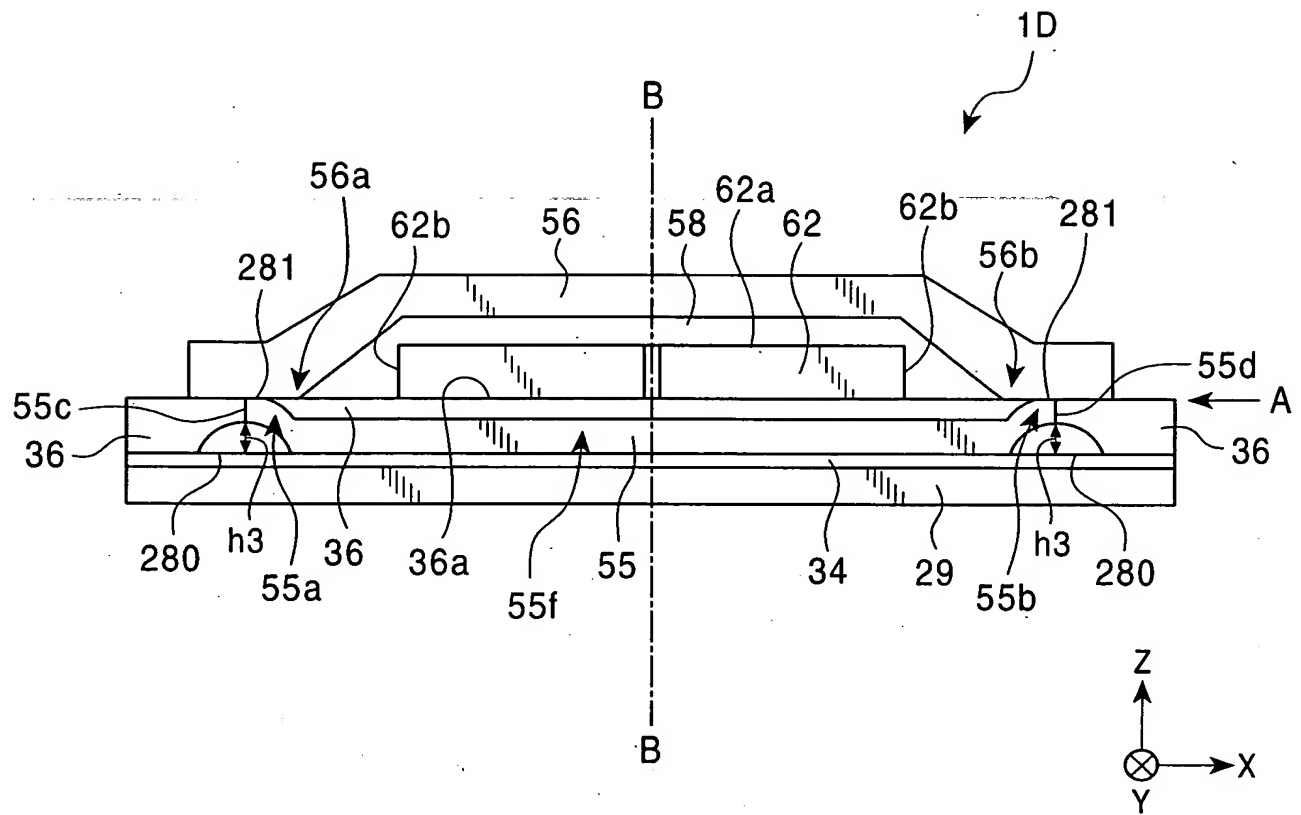


FIG. 14

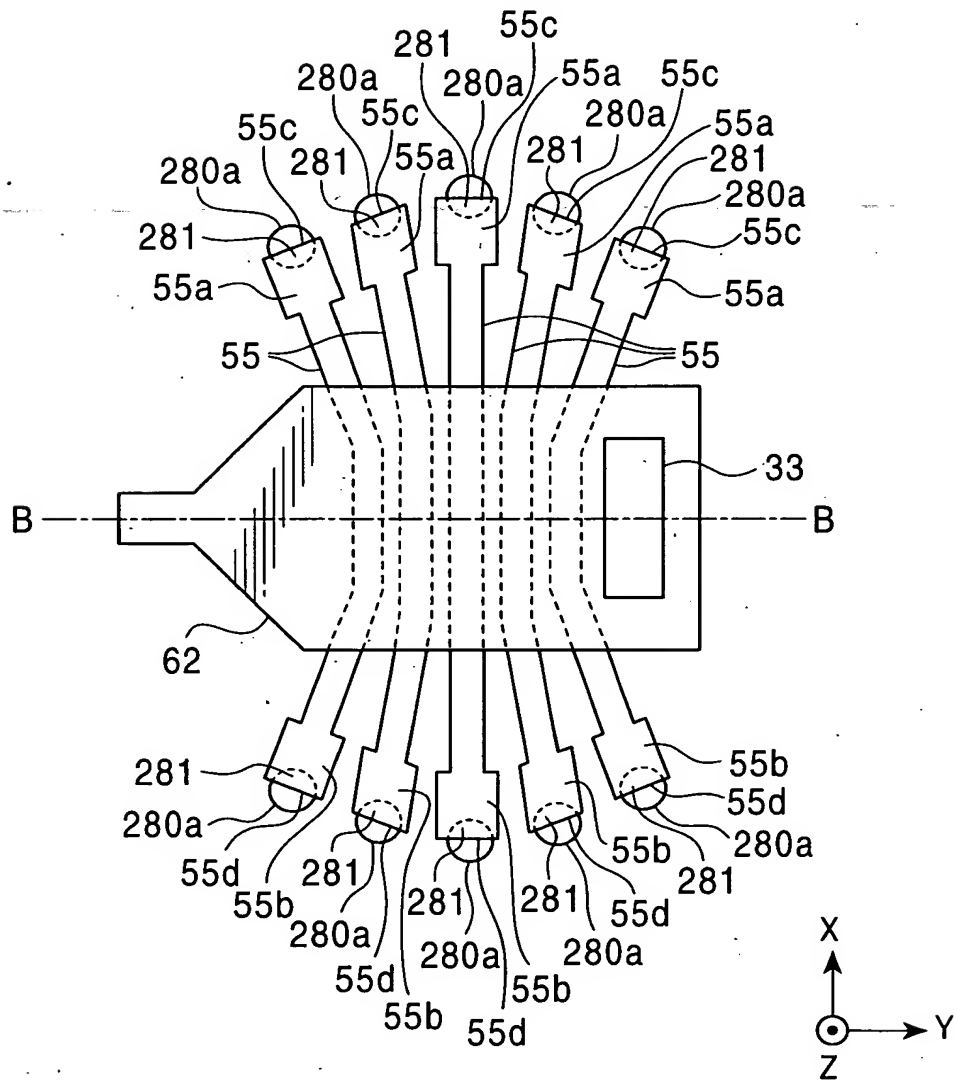


FIG. 15

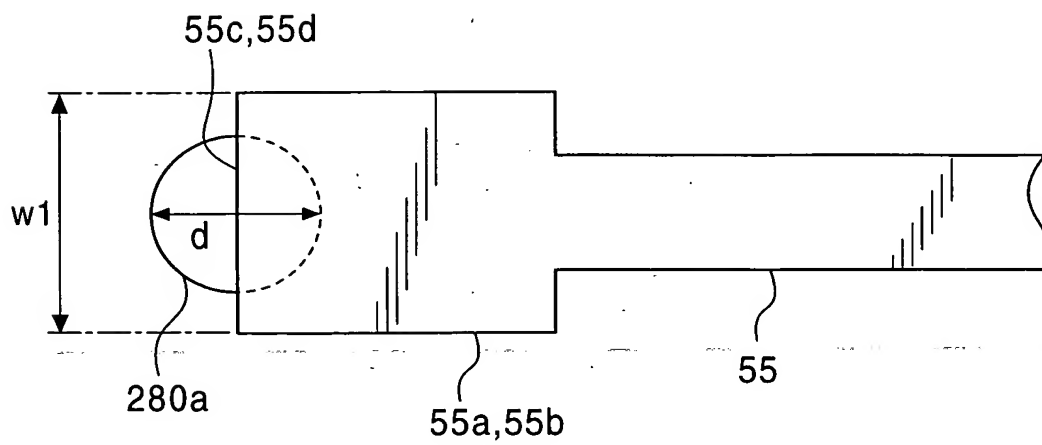


FIG. 16

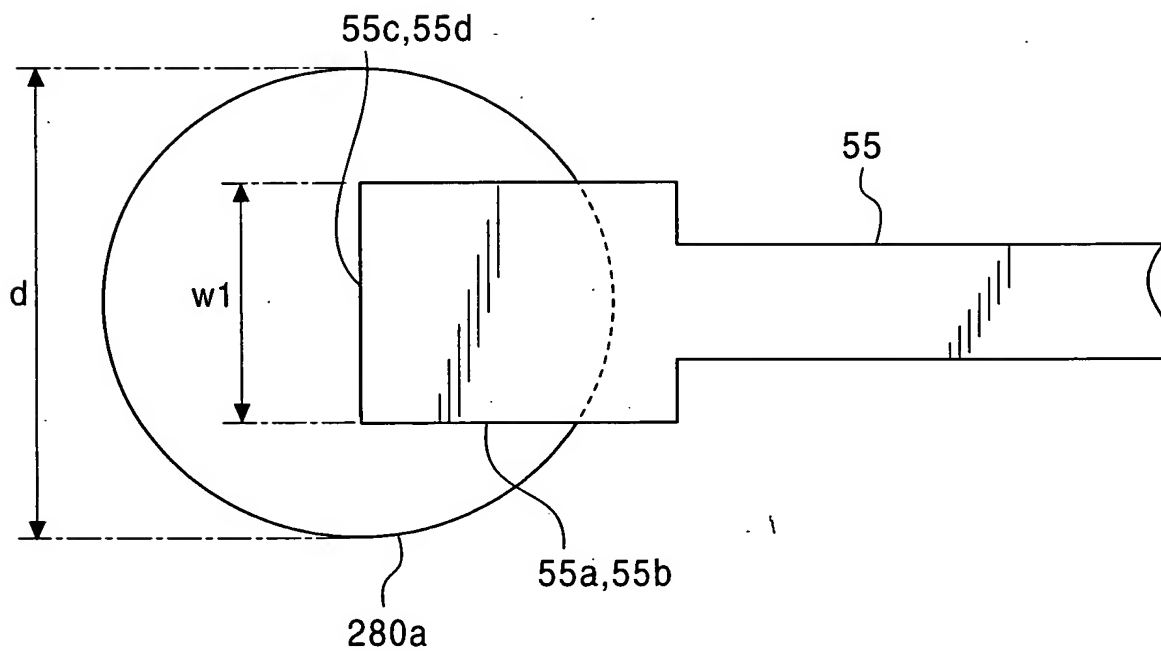


FIG. 17

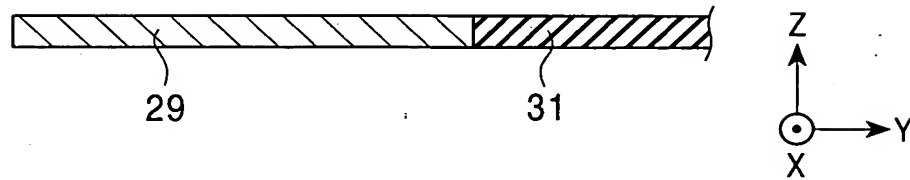


FIG. 18

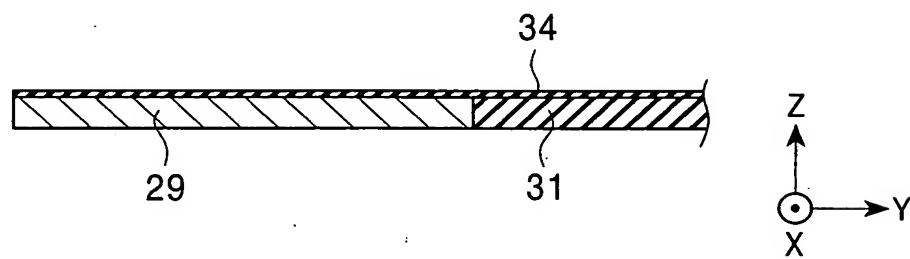
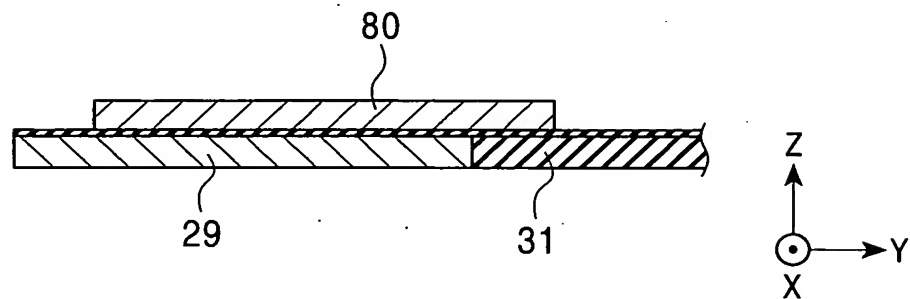


FIG. 19



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FIG. 20

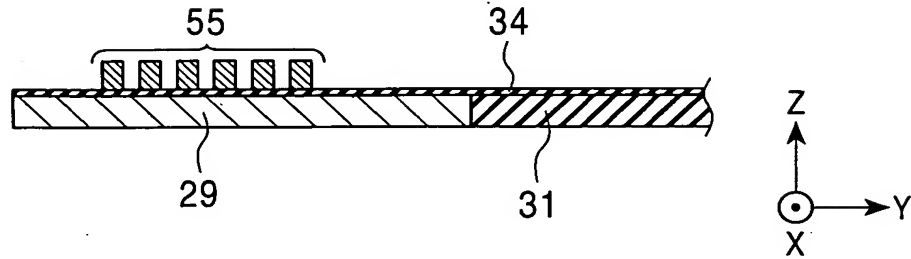


FIG. 21

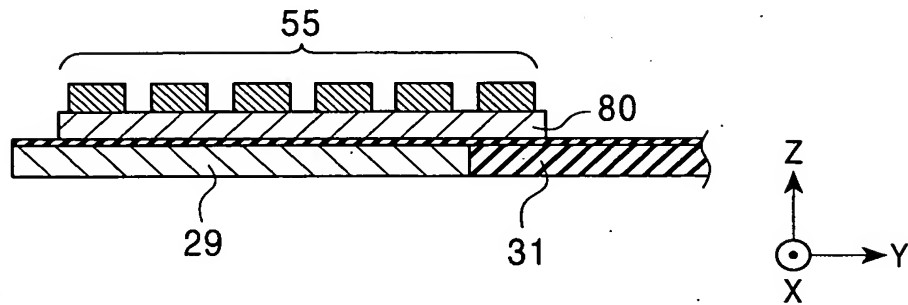
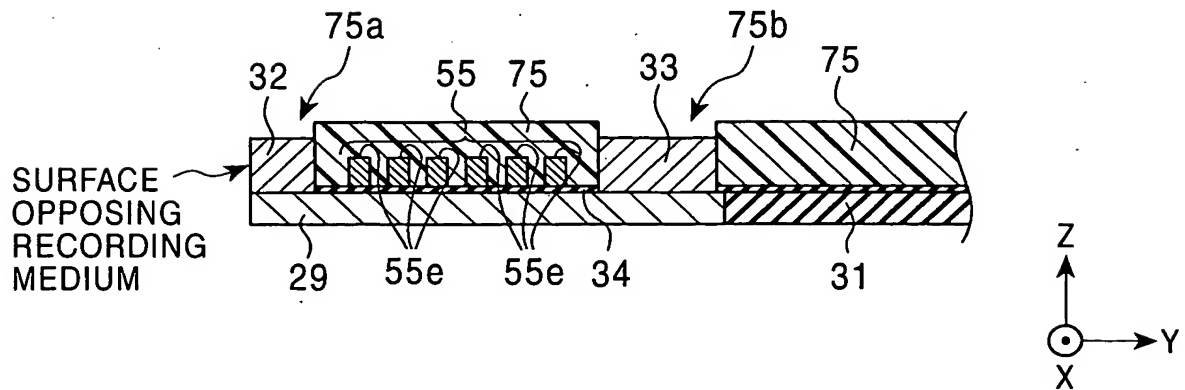


FIG. 22



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FIG. 23

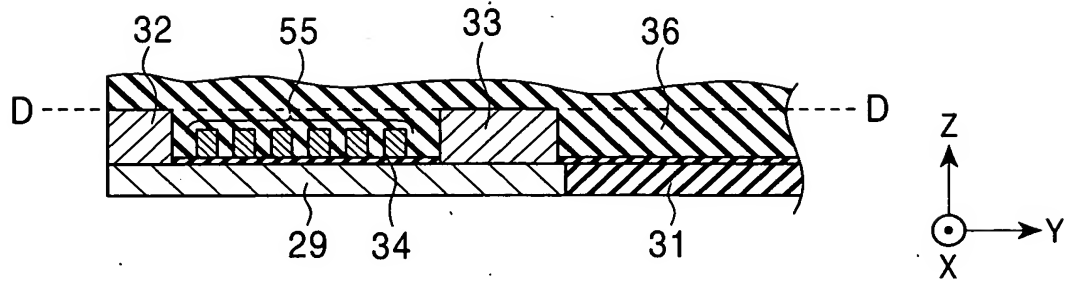


FIG. 24

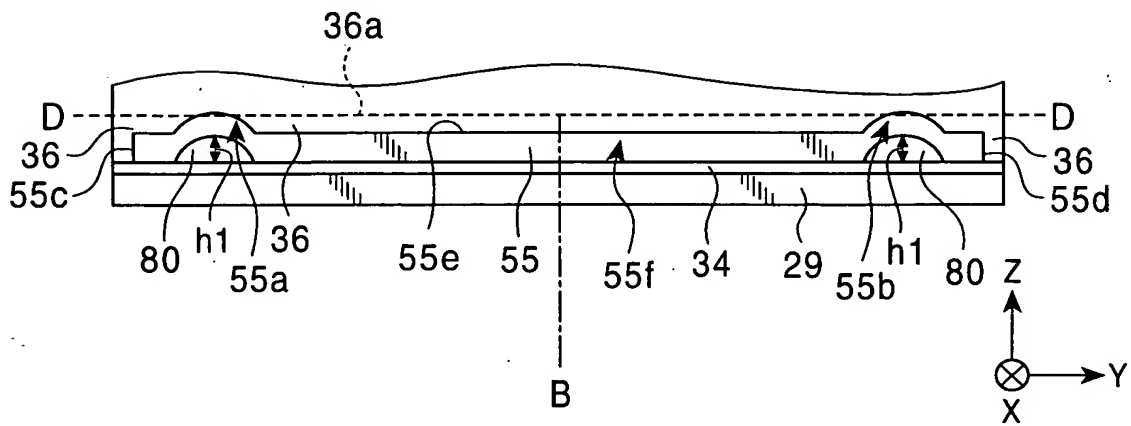


FIG. 25

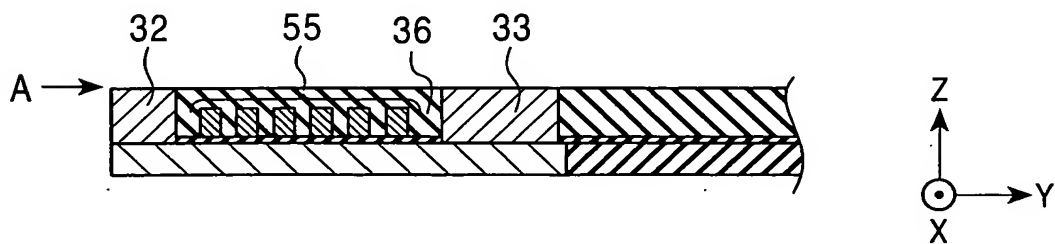


FIG. 26

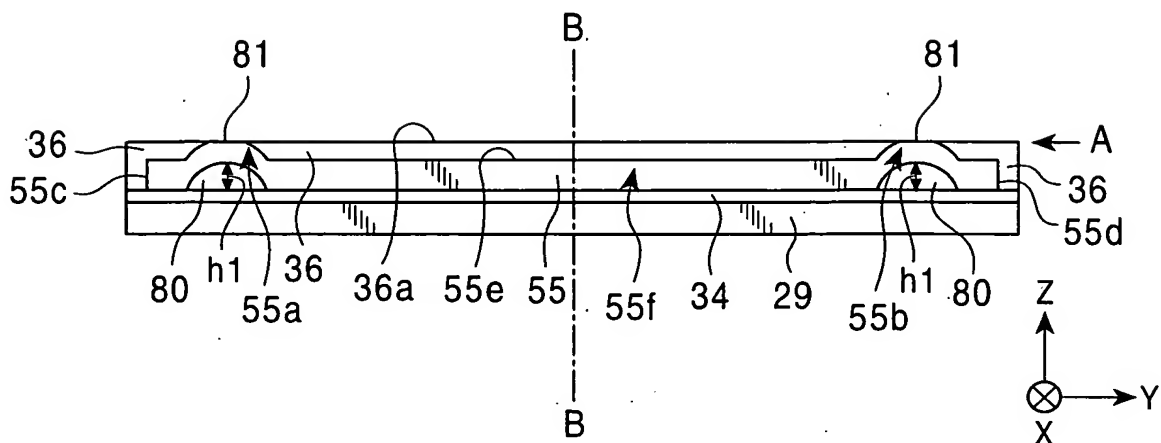


FIG. 27

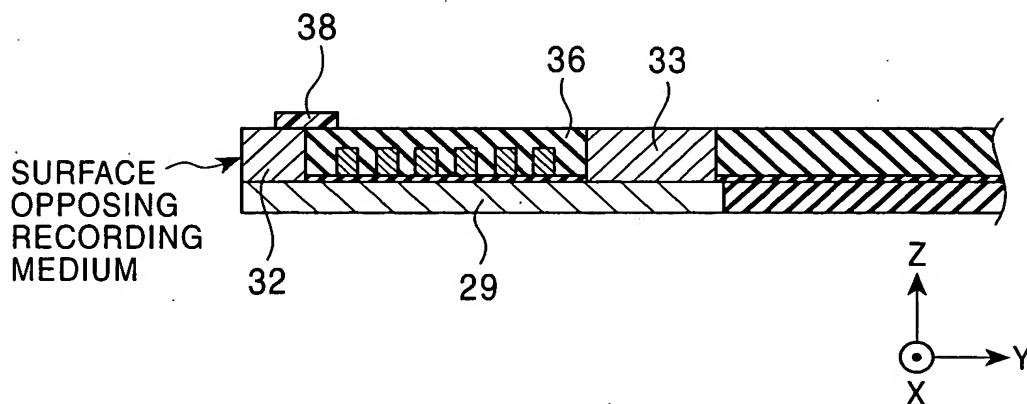
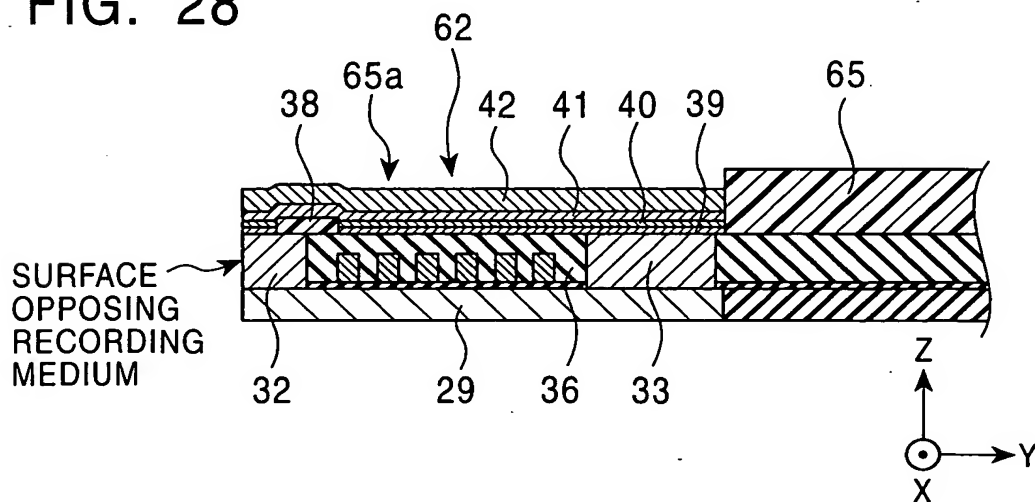


FIG. 28



A detailed cross-sectional view of a magnetic recording medium assembly 1E. The assembly consists of a substrate 20 with multiple layers 21, 22, 23, 25, 26, 27, and 28. A surface opposing recording medium 31 is formed on the top surface of the substrate. This medium includes a protective layer 329 and a recording layer 333. The recording layer 333 contains a series of magnetic particles 334, which are grouped into regions 338 and 338a. The particles are separated by a non-magnetic material 336. The thickness of the recording layer is indicated as t5, and the thickness of the non-magnetic material is indicated as t6. The assembly is shown in a perspective view, with a coordinate system (X, Y, Z) at the bottom right. The Z-axis is vertical, the Y-axis is horizontal, and the X-axis is out of the page. Various other components are labeled, including 342, 342c, 355, 356, 357, 362a, 362, 349, 350, 351, 351a, 351b, 358, 359, and 60.

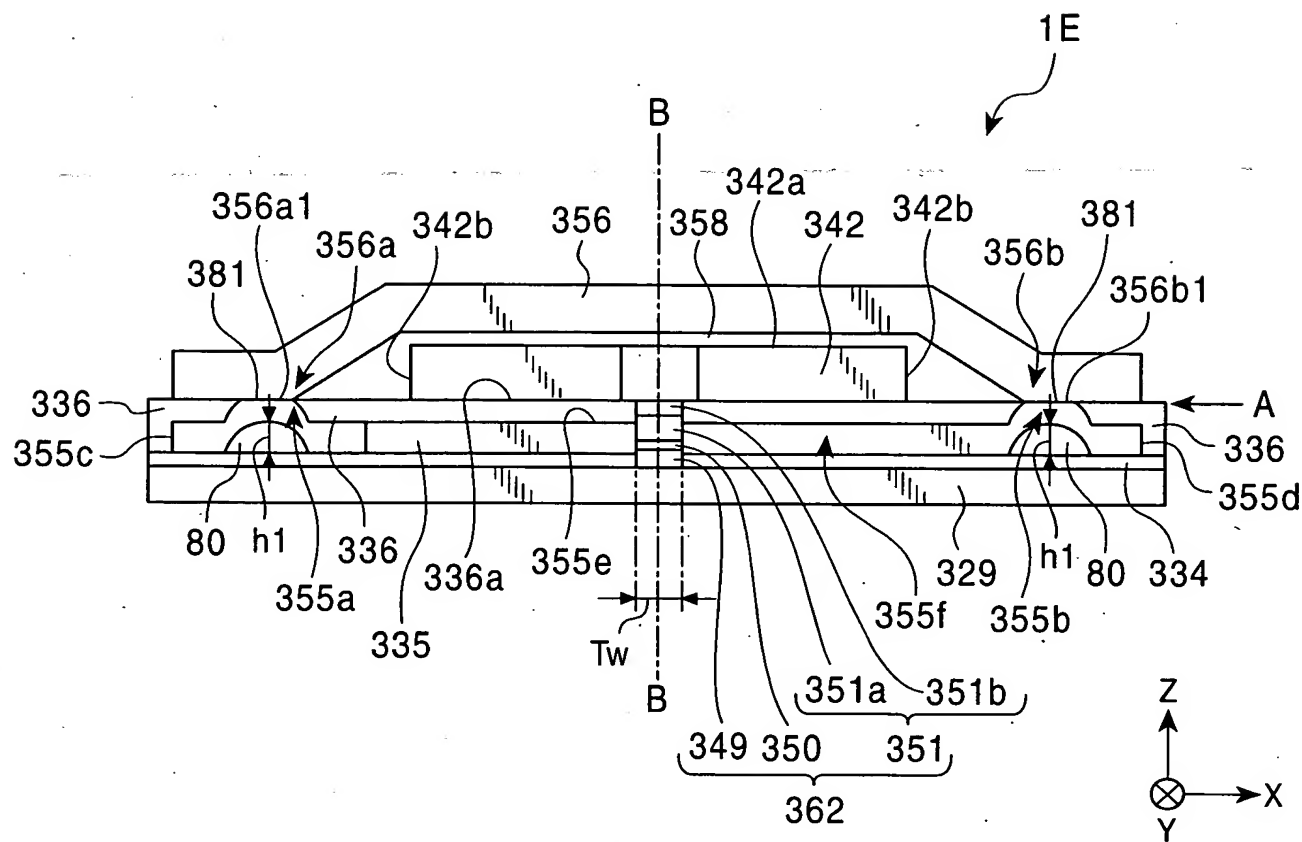


FIG. 31

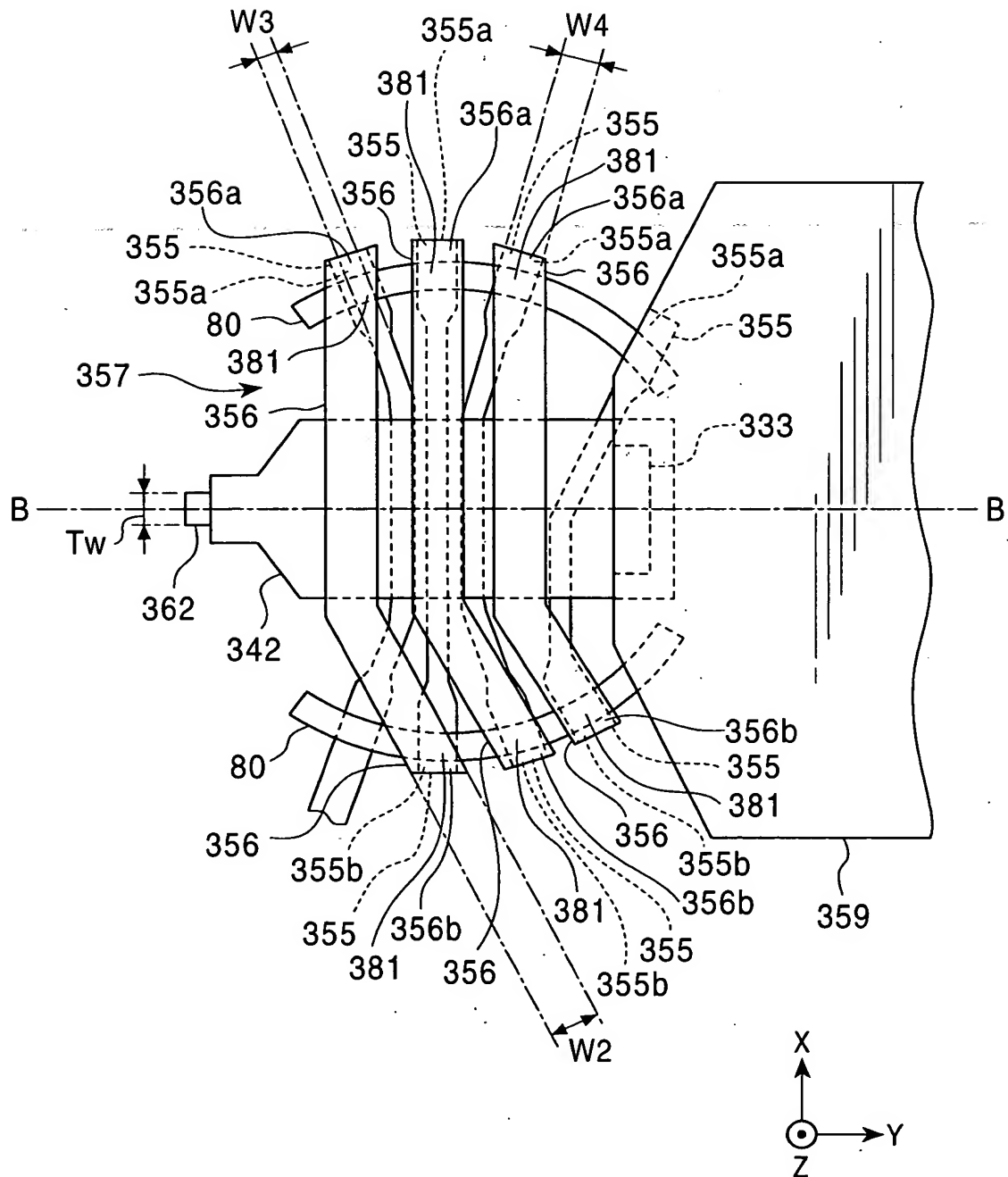


FIG. 32

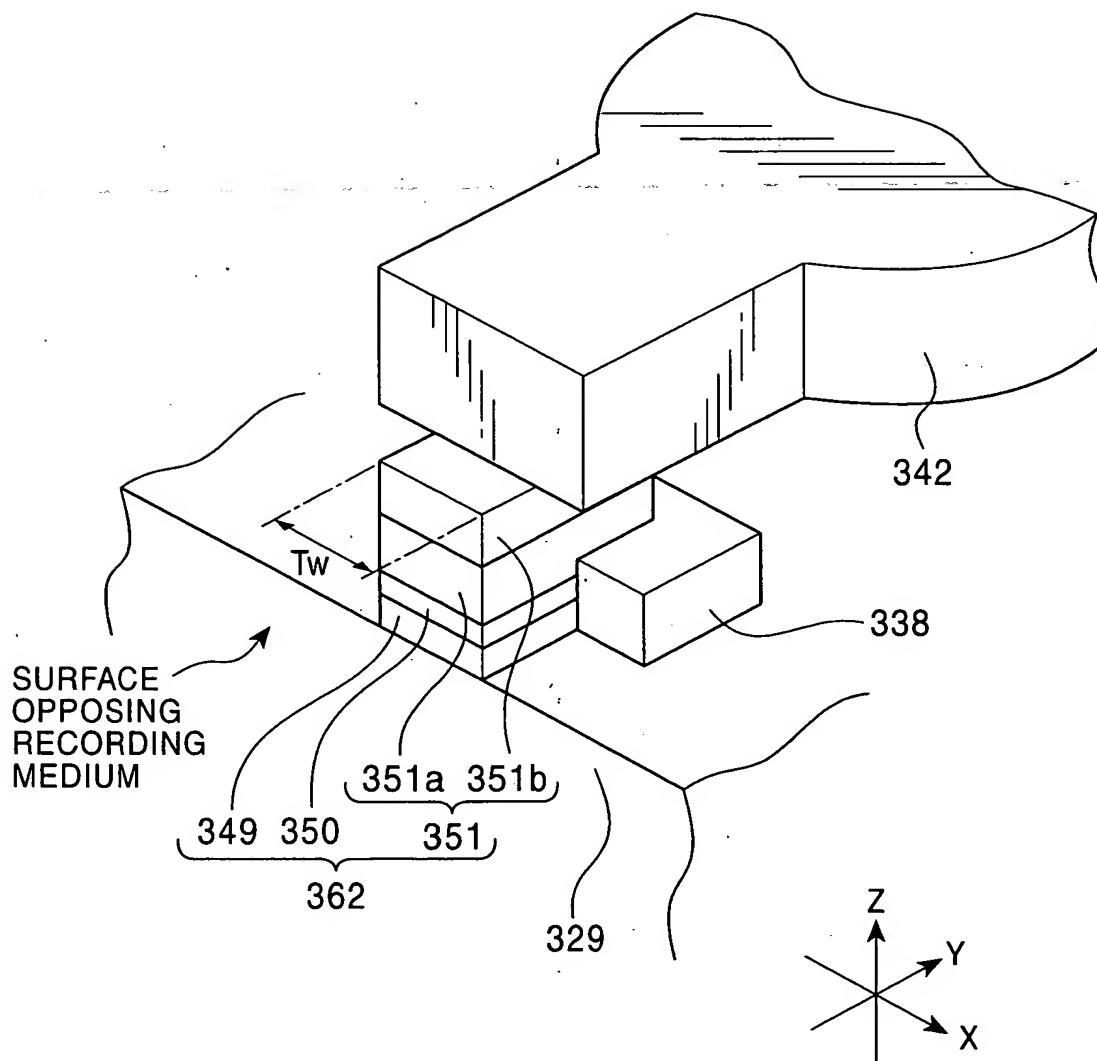


FIG. 33
PRIOR ART

